

10/576641

IAP20 Rec'd PCT/PTO 21 APR 2006

Docket No: 740756-2952

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re New National Phase Patent Application of)
Shunpei YAMAZAKI et al.)
International Application No. PCT/JP2004/016796)Attn: US/DO/EO
International Filing Date: November 5, 2004)
For: METHOD FOR MANUFACTURING LIQUID)
CRYSTAL DISPLAY DEVICE)Date: April 21, 2006

INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office
Customer Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. In accordance with the PTO notice dated July 11, 2003, waiving the requirement under 37 CFR 1.98 (a)(2)(i) for submitting copies of each cited U.S. Patent, for all U.S. national patent applications filed after June 30, 2003, no copies of U.S. Patents are enclosed. However, copies of foreign patents and non-patent literature are submitted under 37 CFR 1.98(a)(2).

Japanese Patent Application No. 2002-049333 is in the same family as U.S. Patent Publication No. 2002/004111.

Japanese Patent Application No. 2003-506886 is in the same family as WO-2001/011426, U.S. Patent 6,849,308 and EP 1 163 552.

World Patent Application No. WO-1997/043689 is in the same family as EP 0 855 614, US-2002/0179906, EP 1 445 793, EP 1 450 412, U.S. 5,989,945, US-6,593,591, US-2002/0100908, US-2002/0074547, and US-2003/0134519.

Japanese Patent Application No. 2000-029053 is in the same family as U.S. Patent 6,291,136.

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Japanese Patent Application No. 2002-359246 is in the same family as U.S. Patent Publication 2003/0054653.

Japanese Patent Application No. 2003-050405 is in the same family as U.S. Publication No. 2002/0056838 and EP 1209748.

Japanese Patent Application No. 2003-315813 is in the same family as U.S. Patent Publication 2003/0232128.

Japanese Patent Application No. 08-330600 is in the same family as U.S. Patent Nos. 5,640,067, 5-897,328, 6,853,083 and 6,992,435.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By: 

Jeffrey L. Costellia
Registration No. 35,483

NIXON PEABODY LLP
401 9th Street, N.W.
Suite 900
Washington, D.C. 20004-2128

(202) 585-8000

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if known</i>			
				Application Number		Not Yet Assigned	
				Filing Date		April 21, 2006	
				First Named Inventor		Shunpei YAMAZAKI et al.	
				Art Unit			
Examiner Name							
Sheet	1	Of	2	Attorney Docket Number		740756-2952	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-2002/0044111 A1	04/18/2002	Yamazaki et al.	
		US-6,849,308 B1	02/01/2005	Speakman et al.	
		US-2002/0179906 A1	12/05/2002	Yudasaka et al.	
		US-5,989,945	11/23/1999	Yudasaka et al.	
		US-6,593,591 B2	07/15/2003	Yudasaka et al.	
		US-2002/0100908 A1	08/01/2002	Yudasaka et al.	
		US-2002/0074547 A1	06/20/2002	Yudasaka et al.	
		US-2003/0134519 A1	07/17/2003	Yudasaka et al.	
		US-6,291,136 B1	09/18/2001	Masutani et al.	
		US-2003/0054653 A1	03/20/2003	Yamazaki et al.	
		US-2004/0147113 A1	07/29/2004	Yamazaki et al.	
		US-2002/0056838 A1	05/16/2002	Ogawa	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁹
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 2003-098548	04/03/2003	Wakagi et al.		Abstract
		JP 2002-049333	02/15/2002	Yamazaki et al.		Abstract
		JP 2003-506886	02/18/2003	Speakman et al.		Abstract
		WO 2001/011426 A1	02/15/2001	Speakman		Full
		EP 1 163 552 B1	08/27/2003	Speakman et al.		Full
		WO 1997/043689	11/20/1997	Yudasaka et al.		Abstract
		EP 0 855 614 A1	07/29/1998	Yudasaka et al.		Abstract
		EP 1 445 793 A2	08/11/2004	Yudasaka et al.		Full
		EP 1 450 412 A2	08/25/2004	Yudasaka et al.		Full
		JP 07-297404	11/10/1995	Fuduka		Abstract
		JP 04-056168	02/24/1992	Sano et al.		Abstract
		JP 2003-258226	09/12/2003	Mochizuki		Abstract
		JP 10-270843	10/09/1998	Suzuki et al.		Abstract
		JP 11-326951	11/26/1999	Matsueda		Abstract
		JP 2000-029053	01/28/2000	Masutani et al.		Abstract
		JP 2002-359246	12/13/2002	Yamazaki et al.		Abstract
		JP 11-251259	09/17/1999	Yudasaka		Abstract
		JP 2001-196590	07/19/2001	Yamazaki et al.		Abstract
		JP 2002-217421	08/02/2002	Yamazaki et al.		Abstract
		JP 2003-050405	02/21/2003	Ogawa		Abstract
		EP 1 209 748	05/29/2002	Ogawa		Full
		JP 2003-059940	02/28/2003	Nakayama		Abstract

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				10/576641	
				Application Number	
				Filing Date	
				First Named Inventor	
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		Number - Kind Code ² (if known)			
		US-2003/0232128 A1	12/18/2003	Furusawa et al.	
		US-5,640,067	06/17/1997	Yamauchi et al.	
		US-5,897,328	04/27/1999	Yamauchi et al.	
		US-6,853,083 B1	02/08/2005	Yamauchi et al.	
		US-6,992,435 B2	01/31/2006	Yamauchi et al.	

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		Country Code ³ Number ⁴ Kind Code ² (if known)				
		JP 2003-058077	02/28/2003	Nakayama		Abstract
		JP 2003-149831	05/21/2003	Furusawa		Abstract
		JP 2003-241177	08/27/2003	Kobayashi		Abstract
		JP 2003-315813	11/06/2003	Furusawa et al.		Abstract
		JP 05-119351	05/18/1993	Higuchi		Abstract
		JP 08-330600	12/13/1996	Yamauchi et al.		Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ⁵	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		International Search Report of Application No. PCT/JP2004/016796; PCT7502) Dated February 8, 2005.	
		Written Opinion (Application No. PCT/JP2004/016796; PCT7502) Dated February 8, 2005.	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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